



ENERG
енергия · ενεργεια

Y IJA
IE IA

NIBE

NIBE F1145-8



55 °C

35 °C



A++

A++



45 dB



dB

8

8

8

kW

9

9

9

kW



2015

811/2013

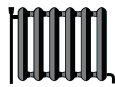


ENERG
енергия · ενέργεια

Y IJA
IE IA

NIBE

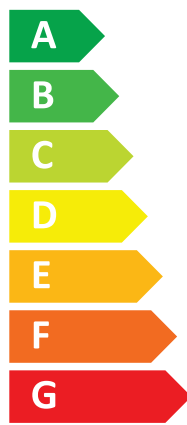
NIBE F1145-8 + VPB300



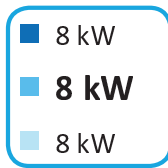
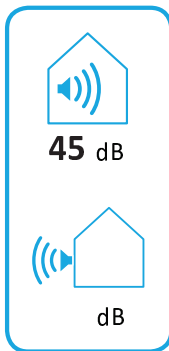
XXL



A++



A



2015

811/2013



ENERG

енергия · ενέργεια

Y

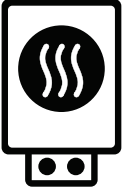




IJA

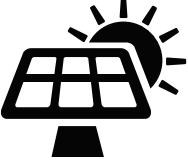
IE


IA


NIBE


NIBE F1145-8 + VPB300

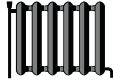











+ 

+ 

+ 


+ 

Supplier's name:	NIBE		
Model:	NIBE F1145-8 (+VPB 300)		
Temperature application	35	55	°C
Declared load profile for water heating	XXL		
Seasonal space heating energy efficiency class, average climate:	A++	A++	
Water heating energy efficiency class, average climate:	A		
Rated heat output, average climate:	9	8	kW
Annual energy consumption for space heating, average climate	3797	4433	kWh
Annual electricity consumption for water heating, average climate	1995		kWh
Seasonal space heating energy efficiency, average climate:	188	141	%
Water heating energy efficiency, average climate:	108		%
Sound power level LWA indoors	45		dB
Rated heat output, cold climate:	9	8	kW
Rated heat output, warm climate:	9	8	kW
Annual energy consumption for space heating, cold climate	4393	5142	kWh
Annual electricity consumption for water heating, cold climate	1995		kWh
Annual energy consumption for space heating, warm climate	2463	2864	kWh
Annual electricity consumption for water heating, warm climate	1995		kWh
Seasonal space heating energy efficiency, cold climate:	194	145	%
Water heating energy efficiency, cold climate:	108		%
Seasonal space heating energy efficiency, warm climate:	187	141	%
Water heating energy efficiency, warm climate:	108		%
Sound power level LWA outdoors	-		dB

Data for package fiche

Controller class	VII		
Controller contribution to efficiency	3,5		%
Seasonal space heating energy efficiency of package, average climate:	191	145	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	198	149	%
Seasonal space heating energy efficiency of package, warm climate:	191	145	%

Model(s):		NIBE F1145-8 (+VPB 300)							
Type of heat source/sink:		Brine-to-water							
Low-temperature heat pump:		No							
Equipped with supplementary heater:		Yes							
Heat pump combination heater:		Yes							
Climate condition:		Average							
Temperature application:		Medium temperature (55 °C)							
Applied standards: EN14825 and EN16147									
Rated heat output		Prated	8,0	kW	Seasonal space heating energy efficiency		η_s	141	%
<i>Declared capacity for part load at outdoor temperature Tj</i>					<i>Declared coefficient of performance for part load at outdoor temperature Tj</i>				
Tj = -7 °C	Pdh	6,2	kW		Tj = -7 °C	COPd	3,28	-	
Tj = +2 °C	Pdh	6,9	kW		Tj = +2 °C	COPd	3,81	-	
Tj = +7 °C	Pdh	7,2	kW		Tj = +7 °C	COPd	4,13	-	
Tj = +12 °C	Pdh	7,6	kW		Tj = +12 °C	COPd	4,41	-	
Tj = biv	Pdh	6,4	kW		Tj = biv	COPd	3,44	-	
Tj = TOL	Pdh	5,9	kW		Tj = TOL	COPd	3,07	-	
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW		Tj = -15 °C (if TOL < -20 °C)	COPd		-	
Bivalent temperature					T _{biv}	-4,9	°C	Operation limit temperature	
Cycling interval capacity for heating					P _{cyh}		kW	Cycling interval efficiency	
Degradation co-efficient					Cdh	0,99	-	Heating water operating limit	
								WTOL	
								65	
								°C	
<i>Power consumption in modes other than active mode</i>					<i>Supplementary heater</i>				
Off mode	P _{OFF}	0,002	kW		Rated heat output		P _{sup}	2,1	kW
Thermostat-off mode	P _{TO}	0,012	kW						
Standby mode	P _{SB}	0,007	kW		Type of energy input		Electric		
Crankcase heater mode	P _{CK}	0,014	kW						
<i>Other items</i>									
Capacity control	fixed				Rated air flow rate, outdoors				m ³ /h
Sound power level, indoors/outdoors	L _{WA}	45/-	dB		Rated water flow rate, indoor heat exchanger			0,64	m ³ /h
Annual energy consumption	Q _{HE}	4433	kWh		Rated brine or water flow rate, outdoor heat exchanger			1,20	m ³ /h
<i>For heat pump combination heater:</i>									
Declared load profile		XXL			Water heating energy efficiency		η_{wh}	108	%
Daily electricity consumption	Q _{elec}	9,09	kWh		Daily fuel consumption		Q _{fuel}		kWh
Annual electricity consumption	AEC	1995	kWh		Annual fuel consumption		AFC		GJ
Approved by:									
Contact details		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden							